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**From:** Burch, Brent [brent.burch@ncdenr.gov]  
**Sent:** 6/4/2020 12:59:23 PM  
**To:** Johnston, John E. [Johnston.John@epa.gov]; Garcia, Javier [Garcia.Javier@epa.gov]  
**CC:** Wilkins, Mark [mark.wilkins@ncdenr.gov]; Concepcion, Richard C [Richard.Concepcion@NCDENR.gov]; Menzel, Jeff [jeff.menzel@ncdenr.gov]; Morris, Sean [sean.morris@ncdenr.gov]; Jennifer Patterson [jenny.patterson@ncdenr.gov]; Caulk, Kim [kim.caulk@ncdenr.gov]  
**Subject:** FW: [External] 2020-6-3 AZP Incident Report

Good morning John and Javier,

I hope you are doing well. Below is an email from AZP regarding a release of depleted solution at the facility yesterday. We will be asking AZR if there was a pH issue, and we will let you know their response. Let me know if you have any questions...Brent

Brent G. Burch  
Compliance Branch Head, Hazardous Waste Section  
Division of Waste Management  
N.C. Department of Environmental Quality  
P.O. Box 1427  
Andrews, NC 28901

Direct Telephone: 828.321.9585  
Cellphone: 919.270.2049  
Email Address: [Brent.Burch@ncdenr.gov](mailto:Brent.Burch@ncdenr.gov)



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**From:** Menzel, Jeff  
**Sent:** Wednesday, June 3, 2020 7:17 PM  
**To:** Morris, Sean <[sean.morris@ncdenr.gov](mailto:sean.morris@ncdenr.gov)>; Burch, Brent <[brent.burch@ncdenr.gov](mailto:brent.burch@ncdenr.gov)>  
**Subject:** Fwd: [External] 2020-6-3 AZP Incident Report

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**From:** Davidson, Landon <[landon.davidson@ncdenr.gov](mailto:landon.davidson@ncdenr.gov)>  
**Sent:** Wednesday, June 3, 2020 6:07:51 PM  
**To:** Charles G. Howell <[CGHowell@azr.com](mailto:CGHowell@azr.com)>  
**Cc:** Timothy Basilone <[tbasilone@azr.com](mailto:tbasilone@azr.com)>; Kobus de Wet <[kdewet@azr.com](mailto:kdewet@azr.com)>; Menzel, Jeff <[jeff.menzel@ncdenr.gov](mailto:jeff.menzel@ncdenr.gov)>; Heim, Tim <[Tim.Heim@ncdenr.gov](mailto:Tim.Heim@ncdenr.gov)>; Aiken, Stan E <[stan.aiken@ncdenr.gov](mailto:stan.aiken@ncdenr.gov)>; Reed, Isaiah L <[isaiah.reed@ncdenr.gov](mailto:isaiah.reed@ncdenr.gov)>  
**Subject:** Re: [External] 2020-6-3 AZP Incident Report

Thank you for reporting this information. Please know that DWR does not have jurisdiction over the referenced stormwater permit. You should contact the agency having jurisdiction, Div. of Energy, Mineral and Land Resources. I've copied the regional manager on this email, Stan Aiken.

Either my staff or me will be in contact with you regarding this matter tomorrow at the latest.

Regards

Landon

G. Landon Davidson, P.G.

Regional Supervisor

Water Quality Operations Section

Asheville Regional Office

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**From:** Charles G. Howell <[CGHowell@azr.com](mailto:CGHowell@azr.com)>

**Sent:** Wednesday, June 3, 2020 5:57:06 PM

**To:** Davidson, Landon <[landon.davidson@ncdenr.gov](mailto:landon.davidson@ncdenr.gov)>

**Cc:** Timothy Basilone <[tbasilone@azr.com](mailto:tbasilone@azr.com)>; Kobus de Wet <[kdewet@azr.com](mailto:kdewet@azr.com)>

**Subject:** [External] 2020-6-3 AZP Incident Report

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Landon,

At approximately 2:00 AM this morning, June 3, 2020, an incident occurred at the American Zinc Products (AZP) facility whereby an overhead pipe was breached and acidic zinc electrolyte solution (the solution) was discharged to the pavement and stormwater management system. No material was released to the environment as a result of this incident. Released solution that entered the stormwater drainage system was captured in the lined sedimentation pond (Basin 1). The valve to the outfall from Basin 1 was closed and no material was discharged to the Broad River. Cleanup efforts were initiated immediately and remain in progress.

I am providing this information in accordance with provisions of the AZP NPDES Stormwater Permit (NC000562) related to spill reporting. The volume of material discharged from the breached pipe was estimated at around 30,000 gallons. Around half of the material was estimated to have been retained on the pavement in the vicinity of the breach, and half of the material entered the storm drainage system, all of which was captured at Basin 1 which is lined. From laboratory testing, solution from the pipe was determined to contain around 5% zinc and around 1.2 mg/L lead in solution.

Operations were shut down and cleanup measures began immediately. Pooled solution was vacuumed from the pavement to prohibit additional material from entering into the stormwater drainage system. Solution that had entered the drainage system and pooled in Basin 1 is currently being recovered and pumped back to the process tanks. Plans are to flush the stormwater drainage pipes leading to Basin 1 and recover flush water and remaining solution from the basin for placement in process tanks for use. Plans are to pump the water and solution from Basin 1 to the tanks via the pipe recently installed for such purposes. The valve to the river is closed and will remain closed until all solution and flush water has been removed.

Basin 1 currently has freeboard capacity to support these efforts. We estimate that cleanup efforts will continue through the next 48 hours. An investigation will be conducted to evaluate the cause of this incident, and to determine any measures to reduce, eliminate and prevent reoccurrence of similar incidents.

If you have any questions, please do not hesitate to contact me.

Sincerely,

**Charles Howell**  
Environmental Manager  
American Zinc Products, LLC  
484 Hicks Grove Rd.  
Mooresboro, NC 28114  
O: (828) 919-3139  
C: (828) 748-5636  
[cghowell@azr.com](mailto:cghowell@azr.com)

